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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/791,343

03/02/2004

Kum Yoong Zee

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EXAMINER

CAO, CHUN

ART UNIT

PAPER NUMBER

2115

DATE MAILED: 09/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/791,343

Applicant(s)

ZEE, KUM YOONG

Examiner

Chun Cao

Art Unit

2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>3/2/04, 6/3/04</u> | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1-10 are presented for examination.
2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The current title is imprecise.
3. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in 10/791343 on 3/2/02004. It is noted, however, that applicant has not filed a certified copy of the DE 03290579.6 application as required by 35 U.S.C. 119(b).

### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-8 are rejected under 35 U.S.C. 112, first paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. As to claim 1 in lines 5-6, the limitation "wherein signals from the microprocessor for controlling the low power mode" is not clearly understood. The specification discloses ONLY that wherein signals from the microprocessor for controlling the switched mode power supply to a low power mode.

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "the same output " in line 7. There is insufficient antecedent basis for the limitation in the claim.

8. Claims 2-8 are rejected because they incorporate the deficiencies of claim 1.

***Claim Rejections - 35 USC § 102***

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

10. Claims 1-5, 7, 9 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Den Hollander (Hollander), U.S. patent no. 5,175,441.

As per claim 1, Hollander discloses that arrangement comprising a microprocessor, a demagnetization circuit, and a switched mode power supply having a normal mode and a low power mode [fig. 1a], the microprocessor being coupled to the switched mode power supply, wherein signals from the microprocessor for controlling the low power mode and the demagnetization circuit are coupled via the same output to the demagnetization circuit and to the switched mode power supply [col. 2, line 39-col. 4, line 46].

As per claim 2, Hollander discloses that the microprocessor comprises a single pin [a single output of the processor ON/OFF control signals] for controlling the low power mode as well as the demagnetization circuit [fig. 1a; col. 2, lines 53-54; col. 3, lines 19-23].

As per claim 3, Hollander discloses that the arrangement provides an on-indicative signal only present in the normal mode of the switched mode power supply, and that the control signal from the microprocessor is coupled to the demagnetization circuit in dependency of the power on-indicative signal [fig. 1a; col. 2, line 39-col. 4, line 46].

As per claim 4, Hollander discloses that the control signal from the microprocessor and a power on-indicative signal are combined via a logical AND combination, for example via an AND gate, for controlling the demagnetization circuit [fig. 1a; col. 3, lines 24-46].

As per claim 5, Hollander discloses that the power on-indicative signal is a supply voltage being provided by the switched mode power supply only during the normal mode [col. 2, line 54-col. 3, line 18].

As per claim 7, Hollander discloses that the control signal from the microprocessor for controlling the demagnetization circuit is "enable" for a time sufficient to provide a demagnetization of a picture tube, when the switched mode power supply is switched to the normal mode [col. 3, lines 19-46].

As per claim 9 is contained the same limitations as claims 1 and 2. Therefore, same rejection is applied.

As per claim 10, Hollander discloses a display unit [col. 2, lines 39-40].

***Claim Rejections - 35 USC § 103***

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2115

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Den Hollander (Hollander), U.S. patent no. 5,175,441 in view of Applicant Admitted Prior Art (AAPA).

As per claim 6, Hollander does not explicitly disclose the control signal from microprocessor is in the low power mode a square wave signal.

Official Notice is taken that a square wave signal is very well known in the art. Such as, AAPA discloses that the control signal from microprocessor is in the low power mode a square wave signal [page 2, lines 6-14].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Hollander and AAPA, the specify teachings of AAPA stated above would merely implement the details of the inventive of the system.

As per claim 8, AAPA discloses that the "enable" signal for the demagnetization circuit has a duration of 0.5 to 3 sec., and is switched to "low" after the demagnetization phase [page 2, lines 18-22].

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 571-272-3664. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

Art Unit: 2115

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sep. 15 2006



**CHUN CAO**  
**PRIMARY EXAMINER**